NO English Retor

U.S. Department of Commerce Patent and Trademark Office Patent Pa		·				Sheet	1 of			
Applicant Petents and Teademak Of Commerce Petents and Teademak Of Disclosure Stateman Of Applicant Shee Date Stateman Of Petents of Shee Date Stateman Of Shee Date Patents (Applicant Class Subclass Filing Applicant Class Subclass Indianal Class Subclass Indiana C	B/O Form PTO-1449		Atty. Docket		Serial Number	Serial Number 10/649 695				
Information Disclosure Statement Specificant Specifica	U.S. Der	partment of Commerce	Applicant							
Aug. 28. 2003 1731 SEXEMINARY Document Paper Documents Lisaminary Lisaminary Document Paper Documents Foreign Patent Documents Examinary Initial Document Number Publication Date Country/Agency Class Subclass Filing I Appro Aug. 28. 2003 1731 U.S. Patent Documents Filing I Appro Class Subclass Filing I Appro Country/Agency Class Subclass Trans Yea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			KOKUBUN	et al.						
Examiner Document Supposes Date Petentee/Applicant Class Subclass Piling Parentee/Applicant A,532,150 7/30/1985 Endo et al. 427 39 Foreign Patent Documents Foreign Patent Documents Examiner Initial Document Number Publication Date Country/Agency Class Subclass Yes Ves Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)	Information Disc	losure Statement Applican	t Filing Date	A 20 2002	Group	1724				
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Filing Initial Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)		1 19'		Aug. 28. 2003		1/31				
Foreign Patent Documents Foreign Patent Documents Country/Agency Class Subclass Trans Yes 10-2003-0063297 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)		1.4	<i>[</i> ,]	Patent Documents		•				
Foreign Patent Documents Foreign Patent Documents Document Number Publication Date Country/Agency Class Subclass Trans	Evaminae	TA	J. J.				Filing Or			
### Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)		Document Roy MOE	Date	Patentes/Applican	t Class	Subclass	Appropr			
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)	111	4,532,150		5 Endo et al.	427	39				
Examiner Initial Document Number Publication Date Country/Agency Cless Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)	7'									
Examiner Initial Document Number Publication Date Country/Agency Cless Subclass Trans Yes 10-2003-0083237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Cless Subclass Trans Yes 10-2003-0083237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Cless Subclass Trans Yes 10-2003-0083237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)					· · · · · · · · · · · · · · · · · · ·					
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Class Subclass Trans Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)						<u> </u>	· ; <u>.</u> , · · · · · · · · · ·			
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)					<u> </u>					
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Class Subclass Trans Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)										
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Trans Yes 10-2003-0063237 Korea Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			Foreig	n Potont Doguments						
Examiner Initial Document Number Publication Date Country/Agency Class Subclass Yes 10-2003-0063237 Korea Class Subclass Yes Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			Foreig	n Fatent Documents						
Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)		Document Number	Publication (Date Country/Agency	Class	Subclass	Transla			
Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)	mittar						Yes			
		10-2003-0063237		Korea		· ·	<u> </u>			
							, at			
	Oth	or Dogumente (Includi	ing Author T	itle Date Portinent Pag	os Piaco of Pu	blication I	Eta l			
Examiner Dete Considered 5-10-2008	Othe	ar Documents (includi	ilg Author, i	ide, Date, Fertinetit Fay	es, Flace Of Fo	iblication, t	-10./			
Examiner Dete Considered 5-10-2008										
Examiner Date Considered 5-10-2024			•							
Examiner Date Considered 5-10-2008										
Examiner Dete Considered 5-10-2008		*			······································					
Examiner Date Considered 55-10-2018	·									
Examiner Date Considered 5-10-2008						·	•			
Examiner Date Considered 15-10-2008										
Date Considered 5-10-2008		1.								
Date Considered 5-10-2008										
5 - 10 604	- J	 		Data Cognidared	4 /	M = 2 and	/			
	.xammer	6 N/ _		Date Considered .	1 5-1	0.000				
										

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. SERIAL NO 10/649,695				
				KOKUBUN et al	***************************************			
		,		FILING GROUP 28 AUG 03				
		U.	S. PATENT	DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT	
		OIPE						
		SEP 2 5 200						
		PADEMAN	E					
		® TRADEMAN						
				· · · · · · · · · · · · · · · · · · ·				
								,
	·		ļ			<u> </u>		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			<u> </u>				,	13.11°
							<u>.</u>	
						<u></u>		<u></u>
	 	FORI	EIGN PATE	ENT DOCUMENTS			,	
111	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO NO
N	2003-84155	3/19/2003	JP					
	11-64652	3/5/99	JP					
	11-109158	4/23/99	JP					
	2002-323629	11/8/2002	JP					
///	5-29298	2/5/1993	JP					
1	OTHER DOCUM	ENTS (Includia	ng Author	r, Title, Date, Pertinen	t Pages, Etc.)		
								i i di manda di
				 				ecena
EXAMINER				DATE CONSIDERED	5 (A	N		:
	4 KH			L) -10	4		
	al if reference considered, whethere copy of this form with next of			nance with MPEP 609; Dra	w line through c	itation if not in c	onformance	e'and not

Form PTO-A820 (also f rm PTO-1449) PO9C/REVOO

Petent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

PAGE 1

OF: 2

•	Ì				ATTY DOCKET NO. OKA-C3		SERIAL NO. 10/	649,695	
IN		TION DISCLOSUR			KOKUBUN et al				
	(U	se several shepts if nece	ssery)		FILING		GROUP		
·	<u></u>		11.6	DATEN	28 AUG	03			
EXAMINER				S. FAIEN		CLASS	SUBCLASS	FILING DATE	-
NITIAL		DOCUMENT NUMBER	DATE		NAME	COSS	SUBCCASS	IF APPROPE	RIATE
				\					
							<u> </u>		
			& TOADEMINE OF						
			CHABEMA						•
	-								
							-	 	
								 	
									_ AGA: -
								1. N	" <u></u> .
									· · · • · · · · · · · · · · · · · · · ·
	1								
			FORE	IGN PATE	ENT DOCUMENTS			 	<u></u>
,	<u> </u>	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANS	
-//-	9.16		1/19/96	JP'				YES	NO
		5536					-		
	5-24	11035	9/21/93	JP			1_		
	5-18	31031	7/23/93	JP		4			
		·							
									1.11
·····		OTHER DOCUM	MENTS (Includin	ng Autho	r, Title, Date, Pertine	ent Pages, Etc	s.)		
								•	
									-;;
						•			; ;
	11	4			DATE CONCIDENCE		A A Y	,	
XAMINER					DATE CONSIDERED	5	-10-00		
EXAMINER:	nitial if re	ference considered, whe	ther or not citation is	s in confor	nance with MPEP 609; D	raw line through	citation if not in o	conformance	and not
photocreu. III		P) OI OILS WITH WILL HOALL	or an emotion to a		OC/REVIO	Patent and Trade	mark Office * U.S. DE	PARTMENT	СОМИЕВС
orm PTG-A8	-112			rv:	THE TWO	A ATTENDED TO SEE A SECOND AS		······································	m (m to 1 / 4)

Chen LOOZ3 S, wer

		APE			UKA-C	354	10/6	49,695	
	INFO	RMATION BISCLESUF	ECITATION		Applicant(s) KOKUBUN et al				
₩.		APR 2 2 2005	FICE 1		Filing Date August 28		Group Art Unit		
		3	0)	U.S. PATENT	DOCUMENTS	1-7			
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		GDATE
								IF APPRO	OPRIATE
					•				
						· .		,	
			-		· .				
glir				A.		1			
			U.S. PATE	NT APPLICA	TION PUBLICATION	S	······································		
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		. NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
			:		•				
			FOR	REIGN PATE	NT DOCUMENTS		,		
4	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Trans YES	station NO
		2-239208	9-21-90	Japan					
B	,	3-274272	12-5-91	Japan					
111		5-060927	3-12-93	Japan					
	,	6-183751	7-5-94	Japan					
		WO 02/064523	8-22-02	Interna	tional				
			OTHER	DOCUMEN'	rs (Including A	uthor, Title, Date, Pe	rtinent Pages, Etc.)	
		/	•						
EXAMINE	R	1/4 1/1			DATE CONSIDERED	5-10	5-06		
EXAMINE not consider	R: Initi	al if citation considered, whether	r or not citation is t communication to	in conformanc o applicant.	e with MPEP Section 60		-	n conforma	nce and
Form PTO-	A820			POSA	/REV05	Patent and Tradem	ark Office * U.S. DEP	ARTMENT OF	COMMERCE

Docket Number (Optional)

(also form PTO-1449)

Application Number

			ATTY D	OCKET NO.		APPLICATION I	10.	
	NEODMATION DISCLOSUE	A DDI 16	OKA-C354 10/649,695 APPLICANT(S)					
	NFORMATION DISCLOSUR Use several sheets if nece		UBUN et al					
'(p.	(036 3676/8/ 3//00/3 // //006	133 <i>ary</i>)	FILING			GROUP ART U	VIT	
			1.20	8/28/0)3		2873	
(-			U.S. PATENT DOCUM					
*EXAMINER	DOCUMENT NUMBER	DATE	N	IAME	CLASS	SUBCLASS	FILING DAT	
INITIAL	OIPE		+				.IF APPROP	RIATE
	(C)							
	FEB 1 7 2005	-						
	THE MADEMARK OF	·			· · · · · · · · · · · · · · · · · · ·			Saw T
·								
		W.					l l	
		U.S. PAT	ENT APPLICATION P	UBLICATION:	\$		· · · · · · · · · · · · · · · · · · ·	
'EXAMINER INITIAL	DOCUMENT NUMBER	DATE	N	AME .	CLASS	SUBCLASS	FILING DAT	riate <u></u>
MI	2003/0110808 -	6/19/03	M'SAAD et al	SAAD et al		379		
10								
1.		FO	REIGN PATENT DOC	UMENTS				
	DOCUMENT NUMBER	DATE .	COL	JNTRY	CLASS	SUBCLASS		SLATION
///	1,164,418	9/17/69	GB				YES	NO
//N -			·					
						1		
							-	
	OTHER DOCUM	IENTS (Inclus	ling Author, Title,	Data Portir	ent Pages Etc	.)	<u></u>	
<u> </u>	Applied Optics USA,	·			ent rayes, Ell	·· <i>J</i>		
	Applied Optics OSA5-	201. 10, 140. 12, 1	ages 3216-3222					
	Proceedings of the SP	PAINT Sec Or	t Fng IISA Vol 35	55 August 10	108 Pas 104-201			
	The state of the s		La Lag. OOA, Voi 33	oo, August 17				
EXAMINER	(HII		DATE	CONSIDERED	5-10-	06		
	considered, whet			MPEP 609; (onformance	and not
considered.	Anclude copy of this form with next o	ommunication to	applicant.					

Form PTD-A820 (also form PTO-1449) P09C/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE CITATION			ATTY DOCKET NO. OKA-C354 APPLICATION NO. 10/649,695 APPLICANT(S)						
		se several sheets if neces:		KOKUBUN et al					
! ►				FILING DATE 8/28/03		GROUP ART UNIT 2873			
•			U.S. P	ATENT DOCUMENTS					
*EXAMINER	DOCUMENT NUMBER DATE		NAME	CLASS	SUBCLASS	FILING DAT			
I di i j							IF APPROP	KIATE	
			U.S. PATENT A	PPLICATION PUBLICATIONS		·			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	,								
					å				
			FOREIGN	PATENT DOCUMENTS	- ,		T		
		DOCUMENT NUMBER	DATE	COUNTRY CLASS		SUBCLASS	TRANSLATION YES NO		
				•					
				•					
		OTHER DOCUME	NTS (Including A	Author, Title, Date, Pertinen	nt Pages, Etc	.)			
		Journal of the Electroch	nemical Soc. Vol. 147	7, No. 6, June 2000, pgs 2237-22	241				
		Applied Optics, Vol. 31	No. 12, 20 Apr 1992	, pgs 2036-2040					
EXAMINER				DATE CONSIDERED	5-1	10-06			
*EXAMINER;	viitial if refe	ence considered, whether	er or not citation is in c mmunication to applica	onformance with MPEP 609; Drai	4	. 44	onformance	and not	

Form PTO-A820 (also form PTO-1449) P09C/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

				ATTY DOCKET NO. OKA-C354 APPLICATION NO. 10/649,695					
•	INFO	RMATION DISCLOSURE (Use several sheets if neces		APPLICANT(S) KOKUBUN et al					
				FILING DATE 8/28/03		GROUP ART UNIT 2873			
•			U.S. F	PATENT DOCUMENTS					
*EXAMINER	DOCUMENT NUMBER DATE		NAME	CLASS	SUBCLASS	FILING DAT			
•								<u> </u>	
			U.S. PATENT	APPLICATION PUBLICATIONS					
"EXAMINER		DOCUMENT NUMBER	DATE	NAME .	CLASS	SUBCLASS	FILING DAT		
				•	,				
·									
			FOREIGI	N PATENT DOCUMENTS					
 -		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION	
						000000	YES	NO	
								<u>р</u>	
		OTHER DOCUME		Author, Title, Date, Pertinent	Pages, Etc	:. <i>)</i>			
		Surface and Coatings T		13 (1995) March/April, No. 2, p	gs 476-480				
EXAMINE	R /	1 1/3/1		DATE CONSIDERED	5-1	D-06		, 	
*EXAMINI considere	ER: India d. Inclu	al if reference considered, wheth de copy of this form with next co	er or not citation is in ommunication to applic	conformance with MPEP 609; Draw ant.	line through o	itation if not in co	nformance	and not	